1991 Bulletin Index
Volume 78

*Regular Features**

Summaries:

National Weather . . . . . w/s
National Weather and Crop . . . . . m
National Weather in Historical Perspective . . . . . m/s
National Agricultural (small grains, fruits, nuts, vegetables, pastures and livestock) . . . . . w
Rice . . . . . Apr - Nov, w
Corn . . . . . Apr - Dec, w
Cotton . . . . . Apr - Dec, w
Grain Sorghum . . . . . Apr - Dec, w
Soybeans . . . . . May - Dec, w
State Weather and Agriculture . . . . . w
International Weather and Crop . . . . . w/m

Charts (National):

Weather Highlights . . . . . s
Precipitation . . . . . w/m/s
Percent of Normal Precipitation . . . . . m/s
Average Temperature . . . . . m/s
Departure of Average Temperature from Normal . . . . . w/m/s
Extreme Minimum Temperature . . . . . Sep - Apr, w
Extreme Maximum Temperature . . . . . Apr - Sep, w
Depth of Snow on Ground . . . . . Dec - Mar, w
Total Growing Degree Days . . . . . May - Sep, w
Growing Degree Day Departure from Normal . . . . . Apr - Sep, w
Average Soil Temperature (4 inch depth, bare soil) . . . . . Mar - May, w
Crop Moisture Index . . . . . Apr - Oct, w
Drought Severity (Palmer) Index . . . . . Apr - Oct, w
Additional Precipitation Needed to End Drought . . . . . Apr - Oct, w

Charts (International):

Precipitation (major crop areas) . . . . . w/m
Percent of Normal Precipitation (major crop areas) . . . . . m
Average Temperature (major crop areas) . . . . . m
Departure of Average Temperature from Normal (major crop areas) . . . . . m

Tabulations (National):

Weather Data for Selected Cities . . . . . w
Precipitation and Temperature . . . . . m
Heating Degree Days . . . . . m
Planting, Seeding, and Harvesting Progress . . . . . Apr - Nov, w
Crop Conditions . . . . . Apr - Nov, w

Tabulations (International):

Precipitation and Temperature . . . . . m

* w = weekly, m = monthly, s = seasonal (seasonal summaries are published every March, June, September, and December for the prior 3 months)

1991 Bulletin Index
Volume 78

*Regular Features**

Summaries:

National Weather . . . . . w/s
National Weather and Crop . . . . . m
National Weather in Historical Perspective . . . . . m/s
National Agricultural (small grains, fruits, nuts, vegetables, pastures and livestock) . . . . . w
Rice . . . . . Apr - Nov, w
Corn . . . . . Apr - Dec, w
Cotton . . . . . Apr - Dec, w
Grain Sorghum . . . . . Apr - Dec, w
Soybeans . . . . . May - Dec, w
State Weather and Agriculture . . . . . w
International Weather and Crop . . . . . w/m

Charts (National):

Weather Highlights . . . . . s
Precipitation . . . . . w/m/s
Percent of Normal Precipitation . . . . . m/s
Average Temperature . . . . . m/s
Departure of Average Temperature from Normal . . . . . w/m/s
Extreme Minimum Temperature . . . . . Sep - Apr, w
Extreme Maximum Temperature . . . . . Apr - Sep, w
Depth of Snow on Ground . . . . . Dec - Mar, w
Total Growing Degree Days . . . . . May - Sep, w
Growing Degree Day Departure from Normal . . . . . Apr - Sep, w
Average Soil Temperature (4 inch depth, bare soil) . . . . . Mar - May, w
Crop Moisture Index . . . . . Apr - Oct, w
Drought Severity (Palmer) Index . . . . . Apr - Oct, w
Additional Precipitation Needed to End Drought . . . . . Apr - Oct, w

Charts (International):

Precipitation (major crop areas) . . . . . w/m
Percent of Normal Precipitation (major crop areas) . . . . . m
Average Temperature (major crop areas) . . . . . m
Departure of Average Temperature from Normal (major crop areas) . . . . . m

Tabulations (National):

Weather Data for Selected Cities . . . . . w
Precipitation and Temperature . . . . . m
Heating Degree Days . . . . . m
Planting, Seeding, and Harvesting Progress . . . . . Apr - Nov, w
Crop Conditions . . . . . Apr - Nov, w

Tabulations (International):

Precipitation and Temperature . . . . . m

* w = weekly, m = monthly, s = seasonal (seasonal summaries are published every March, June, September, and December for the prior 3 months)

Special Features

Charts:

	Bulletin No.
1990 Precipitation & Percent of Normal	2
1990 Temperature Departure	2
Mean Date of Last Spring Freeze	9
Corn and Cotton Planting Dates	11
Spring Wheat and Soybean Planting Dates	16
Cotton and Grain Sorghum Planting Dates	17
Mean Date of First Fall Freeze	34
Snow Cover Map for November 2	44
Minimum Temperature Maps for November 3 and 4	44

Articles:

"1990 Weather Review"	2
"Climate Warming in the United States?"	2
"USDA Crop Production Report (Major Freeze-Induced Losses in California)"	2
"Long-term Drought Update"	3
"Persistent Dryness in the Southern Brazilian Soybean Region"	3
"California: Anatomy of a Drought"	5
"Cold Brushes Florida; Rain Drenches Parts of the Southeast"	7
"California Drought Update"	9
"U.S. Hard Red Winter Wheat Weather Update"	12
"Copious March Precipitation Graces California"	13
"Record Rainfall in the Delta"	18
"The Bangladesh Cyclone"	18
"Explanation of the Crop Moisture Index"	19
"Long-term Wetness in the Delta"	21
"Southwest Monsoon Stalls"	27
"Southwest Monsoon Finally Spreads Northward; Floods in China"	28
"Midwest Drought Update"	31
"USDA's Initial 1991 Corn and Soybean Production Forecasts"	32
"Hurricane Bob Strikes New England"	33
"Satellite View of Hurricane Bob"	34
"Early Freeze Hits the Midwest"	38
"El Niño and Global Weather"	42
"Storms Dampen the U.S. Central Plains"	43
"1991 Crop Production Highlights (corn, cotton, soybeans, and grain sorghum)"	45
"El Niño Update"	45
"U.S. Winter Outlook (December 1991 to February 1992)"	48
"New Orleans Smashes the 100-Inch Barrier"	49
"November El Niño Update	50
"Texas Flooding Persists"	52
"California Rainy Season Arrives"	52